



11-14-02

1631/8

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Braun et al.

Serial No. 09/687,483

Confirmation No.: 7859

Filed: October 13, 2000

For: METHODS FOR GENERATING  
DATABASES AND DATABASES FOR  
IDENTIFYING POLYMORPHIC  
GENETIC MARKERS

Art Unit: 1631

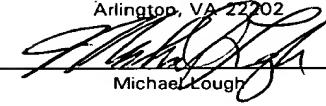
Examiner: Clow, Lori A.

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Commissioner for Patents  
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P. O. Box 2327  
Arlington, VA 22202

  
Michael Lough

## TRANSMITTAL LETTER

Commissioner for Patents  
P. O. Box 2327  
Arlington, VA 22202

Dear Sir:

Transmitted herewith are an Amendment, responsive to the Office Action mailed May 13, 2002 (28 pages); marked-up paragraphs and claims showing changes made, in accord with 37 CFR §1.121 (3 pages); a Petition under 37 C.F.R. §1.48(b) (2 pages); a check in the amount \$590 for the fee for a three-month extension of time (\$460) and the petition fee (\$130); and a return postcard. If a Petition for extension of time is needed, this paper is to be considered such Petition.

The Commissioner is hereby authorized to charge the deficiency in the above check and any fee that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

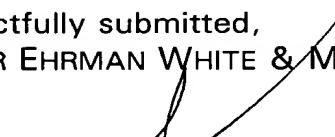
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460.00 DP

Respectfully submitted,  
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

  
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Attorney Docket No. 24736-2033

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AMENDMENT

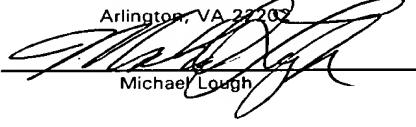
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Dear Sir:

Responsive to the Office Action, mailed May 13, 2002, entry of the  
following amendments and consideration of the following remarks are  
respectfully requested.

IN THE APPLICATION:

Please delete Hubert Köster, Yip Ping, Charles Rodi, Liyan He, Dirk Van  
Den Boom and Christian Jurinke and Norman Chiu as inventors.

IN THE SPECIFICATION:

Please replace the paragraph on page 108, lines 15-21, with the following  
paragraph.

Referring to FIG. 51, a residual error is calculated by taking a root mean  
square calculation between the Gaussian 293 and the putative peak 290 in the  
data signal. The calculation is performed on data within one width on either  
side of a center line of the Gaussian. The residual error is calculated as:  $\sqrt{(G-R)^2/N}$

where G is the Gaussian signal value, R is the putative peak value, and N  
is the number of points from -W to +W. The calculated residual error is  
used to generate an adjusted signal-to-noise ratio, as described below.

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